

AMENDMENTS

In the Specification

Please amend Table A, page 19, lines 22 through 32 as follows:

Table A

Conservative Substitutions I

<u>SIDE CHAIN CHARACTERISTIC</u>	<u>AMINO ACID</u>
Aliphatic	G, A, P
Non-polar	I, L, V
Polar - uncharged	C, S, T, M
	N, Q
Polar - charged	D, E
	K, R
Aromatic	H, F, W, Y
Other	N, Q, D, E

Please amend Table B, page 21, lines 1 through 19 to read:

Table B

Conservative Substitutions II

<u>SIDE CHAIN CHARACTERISTIC</u>	<u>AMINO ACID</u>
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Non-polar (hydrophobic)	
A. Aliphatic:	A, L, I, V, P
B. Aromatic:	F, W
C. Sulfur-containing:	M
D. Borderline:	G
Uncharged-polar	
A. Hydroxyl:	S, T, Y
B. Amides:	N, Q
C. Sulfhydryl:	C
D. Borderline:	G
Positively Charged (Basic):	K, R, H
Negatively Charged (Acidic):	D, E

Please amend Table 1, page 37, line 25 through page 38, line 35 to read as follows:

Nucleotide	Representative	PossibleGene	Vaccination	Challenge	LD ₅₀
SEQ ID NO:	Isolate	Function	# survivors/total	# survivors/total	
-	wild type	-	0/10	-	<10
23	PM1B1	guaB	10/10, 10/10, 10/10	9/10, 9/10	4.3 x 10E6
11	PM1D1	dsbB	10/10, 5/10	10/10, 5/5	8.4 x 10E4